

NEUSE RIVER BASIN

02085079 ENO RIVER NEAR WEAVER, NC

LOCATION.--Lat 36°04'19", long 78°51'47", Durham County, Hydrologic Unit 03020201, at bridge on Secondary Road 1004, 1.3 mi above Little River, and 1.5 mi northeast of Weaver.

DRAINAGE AREA.--148 mi².

PERIOD OF RECORD.--Water years 1983 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1982 to September 1985.

WATER TEMPERATURE: October 1982 to September 1985.

INSTRUMENTATION.--Water-quality monitor from October 1982 to September 1985.

REMARKS.--Station operated to define water quality as part of a six-county regional surface-water quality assessment. Instantaneous discharge is from gage located at Eno River near Durham (02085070). A GC/FID scan for trace organic compounds was performed on samples collected in October 1994 and April 1995. Results may be obtained from the District office in Raleigh.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 293 microsiemens, July 11, 1984, minimum, 32 microsiemens, Aug. 18, 1984.

WATER TEMPERATURE: Maximum recorded, 30.5°C, Aug. 23, 1983; minimum recorded, 0.0°C, on several days during winter months.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	BARO- METRIC PRES- SURE (MM HG) (00025)	OXYGEN, DIS- SOLVED OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
OCT											
25...	1345	4.7	453	7.2	15.5	45	750	5.4	55	51	12
NOV											
29...	1030	46	445	7.4	8.5	45	755	10.6	92	47	11
DEC											
20...	1245	22	260	7.6	5.0	40	755	11.8	93	50	12
JAN											
18...	1330	86	111	7.0	8.0	200	750	15.8	136	27	6.7
FEB											
08...	1400	39	200	7.2	1.0	55	745	13.6	98	35	8.6
MAR											
15...	1345	99	122	7.3	10.5	70	749	11.2	102	29	6.9
APR											
20...	1030	30	193	7.3	21.0	30	748	6.8	78	35	8.1
MAY											
25...	1430	7.1	310	7.3	24.0	38	749	6.4	78	36	8.2
JUL											
17...	0830	157	130	7.1	26.5	65	750	6.1	77	36	8.9
AUG											
10...	1300	8.3	212	7.5	24.5	50	749	6.8	83	36	8.7

NEUSE RIVER BASIN

02085079 ENO RIVER NEAR WEAVER, NC--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE IT-FLD AS HCO3) (99440)	ALKA- LILITY, CARBON- ATE IT-FLD (MG/L - CAC03) (99430)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)
OCT 25...	5.0	67	72	4	5.3	61	50	130	13	0.20	6.7
NOV 29...	4.7	68	73	4	5.6	60	50	120	15	0.20	3.8
DEC 20...	4.8	30	55	2	3.5	61	50	47	13	<0.10	1.0
JAN 18...	2.6	8.9	39	0.7	2.4	25	21	14	7.3	<0.10	11
FEB 08...	3.4	23	57	2	2.2	36	30	37	9.5	<0.10	11
MAR 15...	2.8	12	46	1	1.6	30	25	16	6.3	<0.10	9.4
APR 20...	3.5	23	57	2	2.6	48	39	34	8.2	0.10	2.5
MAY 25...	3.8	46	72	3	2.5	43	35	85	9.4	0.20	10
JUL 17...	3.3	9.4	35	0.7	2.2	36	30	12	7.4	<0.10	13
AUG 10...	3.5	24	56	2	3.4	52	43	40	7.5	0.10	12

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)
OCT 25...	286	0.460	<0.010	0.460	0.460	<0.015	0.50	--	0.50	0.40	0.96
NOV 29...	274	0.720	<0.010	0.720	0.720	<0.015	0.50	--	0.50	0.40	1.2
DEC 20...	150	0.140	<0.010	0.140	0.140	<0.015	0.30	--	0.30	0.30	0.44
JAN 18...	88	0.370	0.010	0.380	0.380	0.050	0.45	0.45	0.50	0.50	0.88
FEB 08...	156	0.680	<0.010	0.680	0.680	<0.015	0.30	--	0.30	0.20	0.98
MAR 15...	76	0.280	<0.010	0.280	0.280	<0.015	0.40	--	0.40	0.20	0.68
APR 20...	102	0.110	<0.010	0.110	0.110	0.050	0.35	0.15	0.40	0.20	0.51
MAY 25...	186	0.470	0.010	0.480	0.480	0.070	0.33	0.23	0.40	0.30	0.88
JUL 17...	88	0.290	<0.010	0.290	0.290	0.030	0.37	0.27	0.40	0.30	0.69
AUG 10...	136	0.290	<0.010	0.290	0.290	0.030	0.27	0.37	0.30	0.40	0.59

NEUSE RIVER BASIN

02085079 ENO RIVER NEAR WEAVER, NC--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	NITRO- GEN DIS- SOLVED (MG/L AS N) (00602)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)
OCT 25...	0.86	0.030	0.020	0.010	90	1	<1	<1	<1	2	520
NOV 29...	1.1	0.060	0.020	0.020	--	--	--	--	--	--	--
DEC 20...	0.44	<0.010	0.020	0.020	--	--	--	--	--	--	--
JAN 18...	0.88	0.070	0.040	0.050	--	--	--	--	--	--	--
FEB 08...	0.88	0.030	0.020	0.020	--	--	--	--	--	--	--
MAR 15...	0.48	0.040	<0.010	0.020	--	--	--	--	--	--	--
APR 20...	0.31	0.010	<0.010	<0.010	150	<1	<1	<1	<1	2	540
MAY 25...	0.78	0.040	0.020	0.030	--	--	--	--	--	--	--
JUL 17...	0.59	0.040	0.020	0.020	190	<1	<1	<1	<1	2	790
AUG 10...	0.69	0.050	0.030	0.030	--	--	--	--	--	--	--

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MOLYB- DENUM, TOTAL RECOV- ERABLE (UG/L AS MO) (01062)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE) (01147)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
OCT 25...	<1	160	<0.10	<1	1	<1	<1	<10	7.9	16	0.20
NOV 29...	--	--	--	--	--	--	--	--	6.7	6	0.75
DEC 20...	--	--	--	--	--	--	--	--	4.2	4	0.24
JAN 18...	--	--	--	--	--	--	--	--	15	19	4.4
FEB 08...	--	--	--	--	--	--	--	--	5.1	10	1.1
MAR 15...	--	--	--	--	--	--	--	--	7.2	19	5.1
APR 20...	<1	90	<0.10	<1	<1	<1	<1	<10	4.4	13	1.1
MAY 25...	--	--	--	--	--	--	--	--	4.8	19	0.36
JUL 17...	<1	70	<0.10	<1	6	<1	<1	<10	6.4	15	6.4
AUG 10...	--	--	--	--	--	--	--	--	6.2	16	0.36

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DRAINAGE AREA.--148 mi².

PERIOD OF RECORD.--Water years 1983 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1982 to September 1985.

WATER TEMPERATURE: October 1982 to September 1985.

INSTRUMENTATION.--Water-quality monitor from October 1982 to September 1985.

REMARKS.--Station operated to define water quality as part of a six-county regional surface-water quality assessment. Instantaneous discharge is from gage located at Eno River near Durham (02085070).

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 293 microsiemens, July 11, 1984, minimum, 32 microsiemens, Aug. 18, 1984.

WATER TEMPERATURE: Maximum recorded, 30.5°C, Aug. 23, 1983; minimum recorded, 0.0°C, on several days during winter months.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MM OF HG) (00300)	OXYGEN, DIS- SOLVED SATUR- ATION (00301)	HARD- NESS TOTAL (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
OCT 25...	1345	76	84	7.2	16.0	88	758	9.0	92	21	5.3
DEC 13...	1345	94	96	7.1	3.5	90	760	13.3	101	27	6.5
JAN 31...	1045	275	92	7.0	6.0	110	755	12.4	101	25	6.0
APR 03...	1015	211	105	7.3	10.5	84	--	--	--	26	6.3
MAY 31...	1015	111	125	7.2	18.0	180	768	8.7	91	28	6.6
AUG 27...	1000	26	345	7.4	24.0	40	761	7.2	86	39	9.5

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE IT-FLD (MG/L AS HCO3) (99440)	ALKA- LITY, CARBON- ATE IT-FLD (MG/L - CAC03) (99430)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)
OCT 25...	2.0	6.4	36	0.6	2.4	27	22	5.8	5.7	0.20	9.3
DEC 13...	2.6	8.4	38	0.7	2.0	27	23	11	6.2	<0.10	12
JAN 31...	2.5	6.9	36	0.6	1.4	32	27	8.7	7.7	<0.10	12
APR 03...	2.6	8.2	39	0.7	1.3	27	22	9.8	7.2	<0.10	11
MAY 31...	2.7	12	46	1	2.0	30	25	16	6.9	<0.10	12
AUG 27...	3.7	48	70	3	4.1	46	38	90	12	0.10	11

NEUSE RIVER BASIN

02085079 ENO RIVER NEAR WEAVER, NC

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NITRATE TOTAL (MG/L) AS N) (00620)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L) AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L) AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L) AS N) (00605)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L) AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L) AS N) (00623)	NITRO- GEN, TOTAL (MG/L) AS N) (00600)
OCT 25...	64	0.270	0.020	0.290	0.290	0.030	0.37	0.27	0.40	0.30	0.69
DEC 13...	70	0.420	<0.010	0.420	0.420	<0.015	0.40	--	0.40	<0.20	0.82
JAN 31...	74	0.460	<0.010	0.460	0.460	<0.015	0.30	--	0.30	0.20	0.76
APR 03...	68	0.330	<0.010	0.330	0.330	<0.015	0.30	--	0.30	0.20	0.63
MAY 31...	92	0.520	0.010	0.530	0.530	0.070	0.43	0.43	0.50	0.50	1.0
AUG 27...	188	0.520	<0.010	0.520	0.520	0.030	0.37	0.27	0.40	0.30	0.92

DATE	NITRO- GEN DIS- SOLVED (MG/L) AS N) (00602)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L) AS P) (00671)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L) AS AL) (01105)	ARSENIC TOTAL (UG/L) AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L) AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L) AS CR) (01034)	COBALT, TOTAL RECOV- ERABLE (UG/L) AS CO) (01037)	COPPER, TOTAL RECOV- ERABLE (UG/L) AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L) AS FE) (01045)
OCT 25...	0.59	0.040	0.020	0.030	340	<1	<1	<1	<1	2	1300
DEC 13...	--	0.050	0.020	0.020	--	--	--	--	--	--	--
JAN 31...	0.66	0.060	0.020	0.020	--	--	--	--	--	--	--
APR 03...	0.53	0.040	0.020	0.010	430	<1	<1	4	<1	3	1400
MAY 31...	1.0	0.060	0.070	0.020	--	--	--	--	--	--	--
AUG 27...	0.82	0.010	<0.010	0.020	--	--	--	--	--	--	--

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L) AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L) AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (UG/L) AS HG) (71900)	MOLYB- DENUM, TOTAL RECOV- ERABLE (UG/L) AS MO) (01062)	NICKEL, TOTAL RECOV- ERABLE (UG/L) AS NI) (01067)	SELE- NIUM, TOTAL (UG/L) AS SE) (01147)	SILVER, TOTAL RECOV- ERABLE (UG/L) AS AG) (01077)	ZINC, TOTAL RECOV- ERABLE (UG/L) AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
OCT 25...	<1	50	<0.10	1	<1	<1	<1	<10	8.0	37	7.6
DEC 13...	--	--	--	--	--	--	--	--	6.3	28	7.1
JAN 31...	--	--	--	--	--	--	--	--	5.5	51	38
APR 03...	1	110	<0.10	<1	<1	<1	<1	<10	6.3	38	22
MAY 31...	--	--	--	--	--	--	--	--	9.4	121	36
AUG 27...	--	--	--	--	--	--	--	--	5.9	64	4.5

NEUSE RIVER BASIN

02085079 ENO RIVER NEAR WEAVER, NC

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WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00301)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)
OCT 25...	1330	--	45	149	7.15	14.0	16	766	10.4	101	35
DEC 09...	1300	E275	--	95.0	6.95	6.0	96	768	11.5	92	27
JAN 24...	1400	--	105	131	7.15	6.0	45	770	13.1	104	30
MAR 13...	1300	--	102	148	7.15	13.5	49	774	10.2	96	30
MAY 22...	1315	--	59	195	7.20	20.0	25	765	7.82	86	33
SEP 05...	1300	--	3.7	317	7.19	21.5	35	761	6.73	76	36

DATE	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE IT-FLD (MG/L AS HCO3) (99440)	AN- IONIC CARBON- ATE IT-FLD (MG/L - CACO3) (99430)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT 25...	8.5	3.2	14	43	1	5.0	33	27	22	13
DEC 09...	6.2	2.8	6.9	34	.6	1.7	21.0	17.0	11	6.1
JAN 24...	7.2	2.8	15	51	1	1.6	35.0	29.0	20	8.0
MAR 13...	7.3	2.8	16	52	1	1.5	35.0	29.0	25	7.2
MAY 22...	7.9	3.3	22	57	2	1.8	43.0	35.0	37	8.2
SEP 05...	7.9	3.9	47	71	3	4.2	54	44	71	11

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02085079 ENO RIVER NEAR WEAVER, NC--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)
OCT 25...	<.1	14	108	<.001	.120	<.002	--	.30	.42	.010
DEC 09...	<.10	12	62	.008	.310	.011	.39	.40	.71	.030
JAN 24...	<.10	12	92	.005	.540	<.002	--	<.20	--	<.010
MAR 13...	<.10	8.6	90	.002	.170	<.002	--	.30	.47	.010
MAY 22...	<.1	5.4	118	.002	.14	.011	.26	.3	.40	.02
SEP 05...	.2	6.2	193	<.0010	.13	.021	.42	.4	.57	.03
DATE	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)
OCT 25...	<.001	130	<1	<1	<1.0	<1	2	650	<1	60
DEC 09...	<.001	--	--	--	--	--	--	--	--	--
JAN 24...	.006	--	--	--	--	--	--	--	--	--
MAR 13...	.003	310	<1	<1	<1	<1	1	920	<1	70
MAY 22...	.004	--	--	--	--	--	--	--	--	--
SEP 05...	.010	--	--	--	--	--	--	--	--	--
DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MOLYB- DENUM, TOTAL RECOV- ERABLE (UG/L AS MO) (01062)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, DIS- CHARGE, SUS- PENDEDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDEDED (T/DAY) (80155)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM (80164)
OCT 25...	<.1	<1.0	<1	<1	<1	<10	4.8	5	.61	--
DEC 09...	--	--	--	--	--	--	6.5	11	--	--
JAN 24...	--	--	--	--	--	--	4.8	--	--	17
MAR 13...	<.10	<1	<1	<1	<1	<10	4.6	--	--	16
MAY 22...	--	--	--	--	--	--	4.7	12	1.9	--
SEP 05...	--	--	--	--	--	--	3.8	--	--	100

NEUSE RIVER BASIN

02085079 ENO RIVER NEAR WEAVER, NC

LOCATION.--Lat 36°04'19", long 78°51'47", Durham County, Hydrologic Unit 03020201, at bridge on Secondary Road 1004, 1.3 mi above Little River, and 1.5 mi northeast of Weaver.

DRAINAGE AREA.--148 mi².

PERIOD OF RECORD.--Water years 1983 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1982 to September 1985.

WATER TEMPERATURE: October 1982 to September 1985.

INSTRUMENTATION.--Water-quality monitor from October 1982 to September 1985.

REMARKS.--Station operated to define water quality as part of a six-county regional surface-water quality assessment. Instantaneous discharge is from gage located at Eno River near Durham (02085070).

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 293 microsiemens, July 11, 1984, minimum, 32 microsiemens, Aug. 18, 1984.

WATER TEMPERATURE: Maximum recorded, 30.5°C, Aug. 23, 1983; minimum recorded, 0.0°C, on several days during winter months.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT 27...	1230	16	520	7.0	14.9	45	755	8.1	81	41
DEC 03...	1230	6.3	205	7.1	7.3	55	755	11.7	98	36
APR 07...	1400	110	101	6.9	15.0	41	761	8.5	84	26
JUN 09...	1245	49	189	7.4	20.5	33	764	8.3	92	33
AUG 26...	0900	4.8	318	6.9	25.7	65	753	5.6	70	38
DATE	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE IT-FLD (MG/L AS HCO3) (99440)	ANC UNFLTRD CARBON-ATE IT-FLD (MG/L - CACO3) (99430)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT 27...	9.9	4.0	86	80	6	5.2	54	44	--	--
DEC 03...	8.8	3.4	25	57	2	3.0	32	26	--	--
APR 07...	6.3	2.5	8.9	41	.8	1.4	28	23	--	--
JUN 09...	8.1	3.0	23	58	2	2.7	--	--	--	--
AUG 26...	9.3	3.6	45	69	3	3.8	56	46	72	10
DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT 27...	--	--	--	.005	1.08	.006	.38	.38	1.5	.049
DEC 03...	--	--	--	.002	.602	.002	.29	.29	.89	.025
APR 07...	--	--	--	.001	.126	<.002	--	.27	.40	--
JUN 09...	--	--	--	.004	.764	.025	.25	.28	1.0	.016
AUG 26...	.19	6.5	188	.003	.051	.033	.40	.43	.48	.024

NEUSE RIVER BASIN

02085079 ENO RIVER NEAR WEAVER, NC--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)
OCT 27...	.023	120	<1	<1	<1	<1	2	420	<1	77
DEC 03...	.010	--	--	--	--	--	--	--	--	--
APR 07...	.003	170	<1	<1	<1	<1	2	590	<1	42
JUN 09...	.016	--	--	--	--	--	--	--	--	--
AUG 26...	.008	--	--	--	--	--	--	--	--	--

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MOLYB- DENUM, TOTAL RECOV- ERABLE (UG/L AS MO) (01062)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE) (01147)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL AS C) (00680)	SEDI- MENT, SUS- PENDEDED (MG/L) (80154)	MENT, DIS- CHARGE, SUS- PENDEDED (T/DAY) (80155)
OCT 27...	<.10	1	<1	<1	<1	<10	5.8	7	.29
DEC 03...	--	--	--	--	--	--	5.6	--	--
APR 07...	<.10	<1	<1	<1	<1	10	4.4	10	3.0
JUN 09...	--	--	--	--	--	--	4.0	9	1.2
AUG 26...	--	--	--	--	--	--	5.2	16	.21

NEUSE RIVER BASIN

02085079 ENO RIVER NEAR WEAVER, NC

LOCATION.--Lat 36°04'19", long 78°51'47", Durham County, Hydrologic Unit 03020201, at bridge on Secondary Road 1004, 1.3 mi above Little River, and 1.5 mi northeast of Weaver.

DRAINAGE AREA.--148 mi².

PERIOD OF RECORD.--Water years 1983 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1982 to September 1985.

WATER TEMPERATURE: October 1982 to September 1985.

INSTRUMENTATION.--Water-quality monitor from October 1982 to September 1985.

REMARKS.--Station operated to define water quality as part of a six-county regional surface-water quality assessment. Instantaneous discharge is from gage located at Eno River near Durham (station 02085070).

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 293 microsiemens, July 11, 1984, minimum, 32 microsiemens, Aug. 18, 1984.

WATER TEMPERATURE: Maximum recorded, 30.5°C, Aug. 23, 1983; minimum recorded, 0.0°C, on several days during winter months.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	BAROMETRIC PRESURE (MM HG) (00025)	OXYGEN, DIS-SOLVED OF (MG/L) (00300)	OXYGEN, DIS-SOLVED (PERCENT SATURATION) (00301)	HARDNESS TOTAL (MG/L AS CaCO3) (00900)
NOV 02...	1430	22	700	7.1	13.7	35	757	6.6	64	54
DEC 14...	1330	168	--	7.2	9.0	65	757	10.2	--	41
FEB 23...	1300	82	123	6.2	--	55	768	--	--	27
APR 09...	1030	79	112	7.2	17.9	30	751	9.1	97	29
JUN 21...	1515	23	208	7.0	20.0	50	759	6.9	76	29
AUG 26...	1430	32	153	6.7	23.8	190	754	5.9	71	25

DATE	CALCIUM DIS-SOLVED (MG/L AS Ca) (00915)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg) (00925)	SODIUM, DIS-SOLVED (MG/L AS Na) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORPTION RATIO (00931)	POTASSIUM, DIS-SOLVED (MG/L AS K) (00935)	BICARBONATE IT-FLD (MG/L AS HCO3) (99440)	ANC WATER UNFLTRD IT FIELD (MG/L AS CaCO3) (00419)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLORIDE, DIS-SOLVED (MG/L AS Cl) (00940)
NOV 02...	13	5.1	114	80	7	6.9	74	61	220	19
DEC 14...	10	3.7	120	83	8	8.8	55	45	240	23
FEB 23...	6.5	2.7	12	48	1	1.6	--	--	20	8.2
APR 09...	6.9	2.8	9.6	41	.8	1.5	32	26	12	6.8
JUN 21...	6.8	2.9	26	63	2	2.9	41	34	40	9.3
AUG 26...	5.9	2.6	18	58	2	3.1	26	21	29	6.3

DATE	FLUORIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
NOV 02...	.22	2.3	426	<.001	<.005	<.002	--	.54	--	E.034
DEC 14...	.25	6.9	484	.005	.642	.017	.46	.47	1.1	.050
FEB 23...	<.10	9.7	88	.001	.267	.004	.28	.28	.55	E.031
APR 09...	<.10	6.1	74	.002	.121	.009	.35	.36	.48	E.039
JUN 21...	.13	11	--	.005	.233	.034	.44	.47	.70	E.048

26... <.10 4.6 93 .014 .484 .150 .89 1.0 1.5 .150

NEUSE RIVER BASIN

02085079 ENO RIVER NEAR WEAVER, NC--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)
NOV 02...	.005	70	<1	<1	<1	<1	2	230	<1	84
DEC 14...	.009	--	--	--	--	--	--	--	--	--
FEB 23...	.004	--	--	--	--	--	--	--	--	--
APR 09...	.004	170	<1	<1	<1	<1	<1	580	<1	62
JUN 21...	.019	--	--	--	--	--	--	--	--	--
AUG 26...	.009	--	--	--	--	--	--	--	--	--

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MOLYB- DENUM, TOTAL RECOV- ERABLE (UG/L AS MO) (01062)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
NOV 02...	<.10	<1	2	<1	<1	<10	6.3	4	.24
DEC 14...	--	--	--	--	--	--	7.4	22	10
FEB 23...	--	--	--	--	--	--	4.5	5	1.0
APR 09...	<.10	<1	<1	<1	<1	<40	6.8	13	2.8
JUN 21...	--	--	--	--	--	--	5.6	14	.89
AUG 26...	--	--	--	--	--	--	12	104	9.0

